

## Patent Abstracts of Japan

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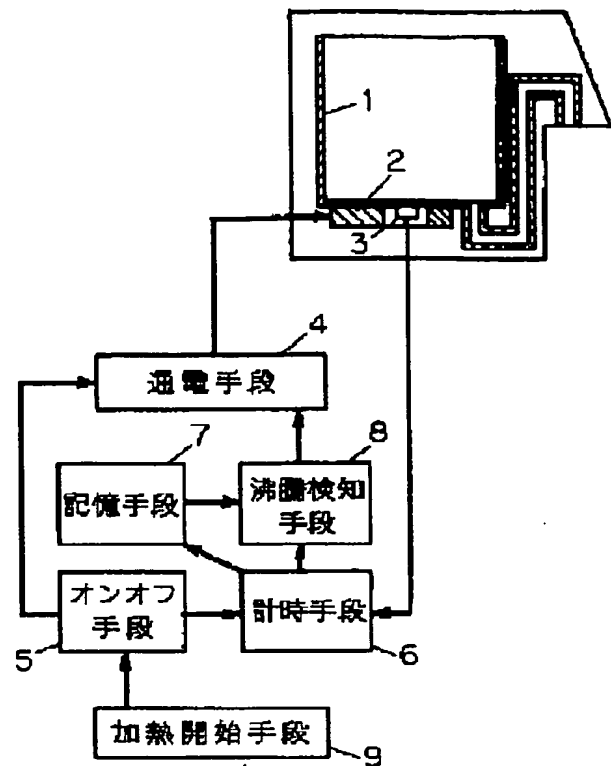
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TITLE : ELECTRIC KETTLE



ABSTRACT : PURPOSE: To detect the proper boiling of liquid in a container irrespective of the capacity and heat retaining temperature.

CONSTITUTION: There are provided a container 1 for receiving liquid, a temperature detecting means 3 for detecting liquid temperature in the receptacle, a heating means 2 for heating the liquid in the container, an electrifying means 4 for electrifying the heating means and a timing means 6 for timing and continuously clearing the time to raise every first predetermined temperature. Thus, there are provided a memory means 7 for storing the time to raise the first predetermined temperature width timed by the timing means 6, a boiling detecting means 8 for stopping the heating means 2 when the time timed by the timing means 6 becomes larger than a fixed rate of a value of the memory means 7, an ON-OFF means 5 for electrifying the heating means 2 for a predetermined time, redriving the same after a second predetermined time and then driving the timing means 6 and a heating starting means 9 for driving the ON-OFF means 5.

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